

Notice of Allowability

Application No.

09/998,400

Applicant(s)

REED ET AL.

Examiner

Art Unit

Michael B. Holmes

2121

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to May 23, 2005.
2. ☒ The allowed claim(s) is/are 1-24.
3. ☒ The drawings filed on 15 November 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____



UNITED STATES PATENT AND TRADEMARK OFFICE

P.O. Box 1450, Alexandria, Virginia 22313-1450 – WWW.USPTO.GOV

Examiner's Detailed Office Action

1. Claims 1-24 are allowed.

REASONS FOR ALLOWANCE

2. The following is an Examiner's statement for reasons for allowance:
3. The closest prior art *Baumgartner et al.* (USPN 6,074,426) and *Redmond* (USPN 5,255,211) does not teach or render obvious applicant's claimed invention. In particular, as pointed out below, the prior art lacks certain features and the combination as specified in the respective claims.
4. With regards to claim 1 *Baumgartner et al.* and *Redmond* does not disclose a pattern generator program code for generating data patterns to be applied to the UUT model in accordance with a rules list and information on the one or more inputs and the one or more outputs of the UUT. The rules list providing restrictions or encouragements on how the data patterns are to be applied to the UUT model. A simulator program code for applying the data patterns to the UUT model. A software environment program code for interfacing communications between the extractor program code, the pattern generator program code, and the simulator program code.

5. With regards to claim 7 *Baumgartner et al.* and *Redmond* does not disclose a pattern generator program code for generating, data patterns to be applied to the UUT model in accordance with a rules list and information on the one or more inputs and the one or more outputs of the UUT. The rules list providing restrictions or encouragements on how the data patterns are to be applied to the UUT model. A simulator program code for applying the data patterns to the UUT model, the simulator program code includes the pattern generator program code.

6. With regards to claim 13 *Baumgartner et al.* and *Redmond* does not disclose generating a data pattern, for an event of the simulation in accordance with the rules list and information on one or more inputs and one or more outputs of the UUT. Performing each event by applying the respective data pattern to the UUT model, and determining whether all events of the simulation are performed.

7. With regards to claim 19 *Baumgartner et al.* and *Redmond* does not disclose generating a data pattern, for an event of the simulation, in accordance with the rules list and information on one or more inputs and one or more outputs of the UUT. Performing each event by applying the respective data pattern to the UUT model, and determining whether all events of the simulation are performed.

8. With regards to claim 24 *Baumgartner et al.* and *Redmond* does not disclose a pattern generator program code for generating data patterns to be applied to the UUT model in accordance with a rules list and information on the one or more inputs and the one or more outputs of the UUT, the rules list providing restrictions or encouragements on how the data patterns are to be applied to the UUT model. A simulator program code for applying the data patterns to the UUT model, the simulation comprises one or more events, for each event, the software environ-

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ment program code prompts the pattern generator program code to generate a data pattern, the software environment program code interprets the data pattern and passes the data pattern so interpreted to the simulator.

Correspondence Information

9. Any inquires concerning this communication or earlier communications from the examiner should be directed to Michael B. Holmes, who may be reached Monday through Friday, between 8:00 a.m. and 5:00 p.m. EST. or via telephone at (571) 272-3686 or facsimile transmission (571) 273-3686 or email Michael.holmesb@uspto.gov.

If you need to send an Official facsimile transmission, please send it to (571) 273-8300.

If attempts to reach the examiner are unsuccessful the Examiner's Supervisor, Anthony Knight, may be reached at (571) 272-3687.

Hand-delivered responses should be delivered to the Receptionist @ (Customer Service Window Randolph Building 401 Dulany Street Alexandria, VA 22313), located on the first floor of the south side of the Randolph Building.

Michael B. Holmes

Patent Examiner

Artificial Intelligence

Art Unit 2121

United States Department of Commerce

Patent & Trademark Office

Wednesday, August 03, 2005

MBH

Wilbert L. Starks, Jr.
Primary Examiner
Art Unit - 2121

